

CLAIMS

We claim:

- sub 1. A suspension article, comprising:
- 5 a frame;
- a substantially uniplaner, non-woven grid integrally formed with a pair of attachment strips; and
- a plurality of fasteners attaching said uniplaner, non-woven grid to said frame through said attachment strips.
2. A suspension article according to claim 1, wherein said plurality of fasteners is a pair of J-strip fasteners integrally formed with said attachment strips.
- sub 3. A suspension article according to claim 1, wherein said substantially uniplaner, non-woven grid comprises closely-spaced primary members and points of intersection, said closely-spaced primary members being connected by said points of intersection.
4. A suspension article according to claim 3 wherein said points of intersection are in line between said attachment strips, thereby forming a plurality of ribs substantially perpendicular to said closely-spaced primary members.
5. A suspension article according to claim 3 wherein said points of intersection are located at said attachment strips.
- sub 6. A suspension article according to claim 1, wherein each of said attachment strips is comprised of a pre-stretched grid section.
7. A suspension article according to claim 1, wherein each of said attachment strips has a wire embedded therein.
8. A suspension article according to claim 1, wherein at least one of said plurality of fasteners is an actuated fastener attached to one of said pair of attachment strips.

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9. A suspension article according to claim 8, wherein said actuated fastener comprises an individual fastener, an actuator, and a bowden cable, said bowden cable having an unsheathed bowden cable section connecting said frame to said one attachment strip through said individual fastener and a sheathed bowden cable section connecting said frame to said actuator.

Sub 10. A suspension article, comprising:
a frame; and
a substantially uniplaner, non-woven grid integrally formed with a pair of J-strip fasteners, said J-strip fasteners attaching said grid to said frame.

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11. A suspension article according to claim 10, wherein at least one of said J-strip fasteners is an actuated fastener.

12. A suspension article according to claim 10, wherein said substantially uniplaner, non-woven grid comprises closely-spaced primary members and points of intersection, said closely-spaced primary members being connected by said points of intersection.

13. A suspension article according to claim 12 wherein said points of intersection are in line between said J-strip fasteners, thereby forming a plurality of ribs substantially perpendicular to said closely-spaced primary members.

14. A suspension article according to claim 12 wherein said points of intersection are located at said J-strip fasteners.

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15. A process for producing a suspension article for a support structure having a frame, comprising the steps of:
forming a grid integrally with attachment strips; and
stretching said grid between and attaching said grid to the frame through said attachment strips.

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16. A process according to claim 15, further comprising the step of:
inserting a wire into said parallel attachment strips while forming said grid.

17. A process according to claim 15, wherein said attachment strips are formed
intermittently.

5 18. A process according to claim 15, wherein said attachment strips are a pair of J-
strip fasteners.

19. A process according to claim 15, wherein said forming step is performed by
extruding said grid.

20. A process according to claim 15, wherein said forming step is performed by
injection molding said grid.

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